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PATENT

Attorney Reference Number 4810-58741
Application Number 09/806,708

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A recombinant nucleic acid molecule comprising a heterologous promoter sequence operably linked to a nucleic acid sequence, wherein the promoter sequence comprises a transcriptional regulatory region capable of directing seed-specific expression in *Arabidopsis* wherein the transcriptional regulatory region comprises SEQ ID NO: 15 ~~hybridizes under stringent conditions to a sequence selected from the group consisting of SEQ ID NO: 15, 16, 17, and 18, or the complement thereof.~~

2-12. (Canceled)

13. (Previously Presented) The recombinant nucleic acid molecule of claim 1 wherein the nucleic acid sequence encodes an enzyme involved in lipid metabolism.

14. (Canceled)

15. (Previously Presented) A plant cell comprising a heterologous nucleic acid sequence, wherein the heterologous nucleic acid sequence comprises the recombinant nucleic acid molecule of claim 1.

16. (Previously Presented) The plant cell of claim 15, wherein the plant cell is of a dicotyledonous plant species.

17. (Previously Presented) A transgenic plant comprising a heterologous nucleic acid sequence, wherein the heterologous nucleic acid sequence comprises the recombinant nucleic acid molecule of claim 1.

18. (Previously Presented) The transgenic plant of claim 17, wherein the plant is of a dicotyledonous plant species.

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19. (Previously Presented) A method of altering the phenotype of a seed comprising:

- a) transforming a seed-bearing plant, or a progenitor of the seed-bearing plant, with a vector comprising the nucleic acid molecule of claim 1; and
- b) growing the seed-bearing plant to obtain seed wherein the nucleic acid sequence is expressed during embryogenesis under the control of the transcriptional regulatory region to alter the phenotype of the seed.

20. (Previously Presented) A method of producing a transgenic plant comprising introducing into the plant the recombinant nucleic acid molecule of claim 1.

21. (Previously Presented) A plant produced by sexual or asexual propagation of the transgenic plant produced according to the method of claim 20, or by propagation of progeny of the transgenic plant, wherein the plant comprises the recombinant nucleic acid molecule.

22. (Canceled)

23. (Previously Presented) A recombinant vector comprising a nucleic acid molecule according to claim 1.

24. (Currently Amended) A method of isolating a nucleic acid molecule having promoter activity, comprising hybridizing under stringent conditions a nucleic acid preparation with a probe comprising ~~a sequence selected from the group consisting of SEQ ID NO. 15, 16, 17, and 18~~ the sequence of SEQ ID NO: 15, or the complement thereof.

25-38. (Canceled)